Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
Data File : BM017192.D
Acq On : 18 Oct 2018 14:37
Operator : MJ/SJ
Sample : J5164-03
Misc : MDL 1 PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 19 09:34:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 17 14:23:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	203317	20.00	ng		0.00
21) Naphthalene-d8	10.45	136	822899	20.00	ng		0.00
39) Acenaphthene-d10	14.31	164	472236	20.00	ng		0.00
64) Phenanthrene-d10	17.06	188	1094501	20.00	ng		0.00
76) Chrysene-d12	21.25	240	1246329	20.00	ng		-0.01
87) Perylene-d12	23.46	264	1255126	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.28	112	1670409	138.96	ng		0.00
7) Phenol-d6	6.85	99	2161152	132.00	ng		0.00
23) Nitrobenzene-d5	8.82	82	1264798	89.89	ng		-0.01
42) 2,4,6-Tribromophenol	15.80	330	929944	145.62	ng		-0.01
45) 2-Fluorobiphenyl	12.93	172	3009711	84.80	ng		0.00
79) Terphenyl-d14	19.70	244	4664084	84.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	5795	0.944	ng	#	89
3) Pyridine	3.68	79	12705	0.900	ng	#	65
4) n-Nitrosodimethylamine	3.58	42	5999	1.058	ng	#	77
6) Aniline	7.01	93	12597	0.615	ng		97
8) 2-Chlorophenol	7.23	128	14938	1.074	ng		83
9) Benzaldehyde	6.83	77	14360	1.376	ng		85
10) Phenol	6.87	94	17683	1.004	ng	#	77
11) bis(2-Chloroethyl)ether	7.11	93	13573	0.966	ng		95
12) 1,3-Dichlorobenzene	7.56	146	15389	0.949	ng	#	91
13) 1,4-Dichlorobenzene	7.71	146	16434	0.992	ng		97
14) 1,2-Dichlorobenzene	8.02	146	15426	0.967	ng		97
15) Benzyl Alcohol	7.92	79	10435	0.872	ng		97
16) 2,2'-oxybis(1-Chloropropan	8.20	45	17746	0.904	ng		97
17) 2-Methylphenol	8.12	107	9544	0.844	ng	#	82
18) Hexachloroethane	8.73	117	5666	1.000	ng		95
19) n-Nitroso-di-n-propylamine	8.47	70	8873	0.823	ng		97
20) 3+4-Methylphenols	8.45	107	13031	0.842	ng		92
22) Acetophenone	8.49	105	19333	0.927	ng		94
24) Nitrobenzene	8.87	77	16357	1.099	ng	#	85
25) Isophorone	9.39	82	23741	1.022	ng	#	94
26) 2-Nitrophenol	9.58	139	4447	6.266	ng		93
27) 2,4-Dimethylphenol	9.63	122	10556	1.027	ng		93
28) bis(2-Chloroethoxy)methane	9.88	93	16446	1.006	ng		91
29) 2,4-Dichlorophenol	10.11	162	9160	0.768	ng		97
30) 1,2,4-Trichlorobenzene	10.31	180	14318	1.001	ng		92
31) Naphthalene	10.49	128	43522	1.079	ng		98
32) Benzoic acid	9.76	122	299	0.039	ng	#	73
33) 4-Chloroaniline	10.63	127	10717	0.615	ng	#	92
34) Hexachlorobutadiene	10.78	225	9667	1.066	ng	#	80
35) Caprolactam	11.41	113	1976	0.455	ng		90
36) 4-Chloro-3-methylphenol	11.75	107	10947	0.814	ng	#	76
37) 2-Methylnaphthalene	12.12	142	30121	1.092	ng		97
38) 1-Methylnaphthalene	12.33	142	28111	1.047	ng		100
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	15037	0.904	ng		93

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	8345	1.038	ng		90
43) 2,4,6-Trichlorophenol	12.73	196	7269	0.753	ng		84
44) 2,4,5-Trichlorophenol	12.82	196	7714	0.745	ng		95
46) 1,1'-Biphenyl	13.14	154	43587	1.026	ng		98
47) 2-Chloronaphthalene	13.17	162	31068	0.994	ng		92
48) 2-Nitroaniline	13.40	65	5517	6.238	ng		88
49) Acenaphthylene	14.03	152	41607	0.918	ng		99
50) Dimethylphthalate	13.77	163	35779	0.982	ng	#	96
51) 2,6-Dinitrotoluene	13.89	165	5639	0.703	ng	#	89
52) Acenaphthene	14.37	154	28914	1.016	ng		99
53) 3-Nitroaniline	14.24	138	4580	0.527	ng	#	91
54) 2,4-Dinitrophenol	14.45	184	1369	8.487	ng	#	73
55) Dibenzofuran	14.72	168	47237	0.998	ng		95
56) 4-Nitrophenol	14.57	139	3003	5.074	ng		90
57) 2,4-Dinitrotoluene	14.69	165	6273	0.582	ng	#	61
58) Fluorene	15.36	166	35787	1.022	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	7112	0.754	ng	#	99
60) Diethylphthalate	15.14	149	34469	0.954	ng		98
61) 4-Chlorophenyl-phenylether	15.36	204	20022	1.003	ng		91
62) 4-Nitroaniline	15.41	138	3678	5.097	ng		83
63) Azobenzene	15.66	77	28097	0.800	ng		97
65) 4,6-Dinitro-2-methylphenol	15.46	198	3091	7.378	ng		81
66) n-Nitrosodiphenylamine	15.58	169	28821	0.870	ng		87
67) 4-Bromophenyl-phenylether	16.26	248	11451	0.953	ng		97
68) Hexachlorobenzene	16.36	284	13570	0.972	ng	#	84
69) Atrazine	16.54	200	8813	0.744	ng		100
70) Pentachlorophenol	16.72	266	5082	0.531	ng	#	87
71) Phenanthrene	17.10	178	62918	1.065	ng	#	95
72) Anthracene	17.19	178	54656	0.974	ng		97
73) Carbazole	17.47	167	45534	0.794	ng		96
74) Di-n-butylphthalate	18.04	149	46906	0.776	ng		98
75) Fluoranthene	19.13	202	67331	1.013	ng		98
77) Benzidine	19.33	184	11523	0.365	ng	#	93
78) Pyrene	19.49	202	69668	1.000	ng		99
80) Butylbenzylphthalate	20.40	149	18861	7.781	ng	#	87
81) Benzo(a)anthracene	21.24	228	73224	1.044	ng		97
82) 3,3'-Dichlorobenzidine	21.18	252	15694	0.600	ng		93
83) Chrysene	21.29	228	76118	1.096	ng		96
84) Bis(2-ethylhexyl)phthalate	21.18	149	25793	5.874	ng		99
85) Di-n-octyl phthalate	22.05	149	43395	6.130	ng	#	99
86) Indeno(1,2,3-cd)pyrene	25.67	276	79065	1.018	ng		97
88) Benzo(b)fluoranthene	22.80	252	72295	1.054	ng		99
89) Benzo(k)fluoranthene	22.85	252	66731	0.969	ng		98
90) Benzo(a)pyrene	23.37	252	63154	0.969	ng	#	92
91) Dibenzo(a,h)anthracene	25.69	278	65635	1.015	ng		92
92) Benzo(g,h,i)perylene	26.35	276	66468	1.037	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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